STORMWATER PROJECTS

Stormwater Program
Project Summary Sheet

S. Blaine Street; Hancock – 11th Street

Fiscal Year	Costs
2015/2016	$450,000
2016/2017	$300,000
2017/2018	$300,000
2018/2019	$300,000
Project Total	$1,350,000

Criteria Met:

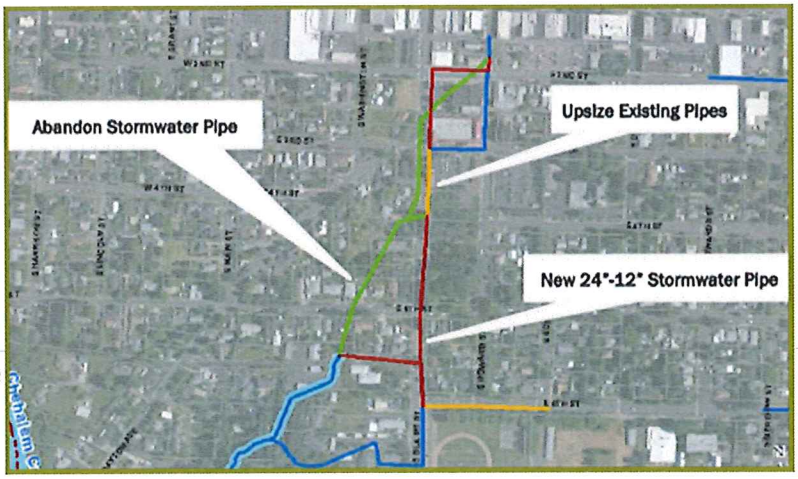
x	Safety/Liability
	Council Goals
x	Maintenance
x	Required per Regulation
	Coordinates with Larger Project
x	Existing Capacity
x	Cost Reduction
	Future Capacity

Project Description:

Flooding occurs in the 10 year storm event including Second Street, Howard Street and at 6th Street and Blaine Street. Large segments of the existing pipe are constructed of corrugated metal and are near end of life. The project will decommission the existing stormwater pipes (shown in green below) and construct a new 24" stormwater mainline (shown in red) along South Blaine and 2nd Streets. Sections of the existing piping system will also be upsized to convey existing and future flows (shown in gold). This project will also include the storm system adjacent to 99W and the Second Street Parking Lot.

Due to funding constraints, the project is scheduled to be constructed in phases over several fiscal years. The 1st phase of construction will begin in FY15-16.

Proposed Funding Sources: This project is funded by the stormwater utility fee and a small amount of projects in the right-of-way.



Stormwater Program
Project Summary Sheet

Villa Road Improvements at Hess Creek

Fiscal Year	Costs
2015/2016	$150,000
2016/2017	$150,000
Project Total	$300,000

Criteria Met:

x	Safety/Liability
	Council Goals
	Maintenance
x	Required per Regulation
x	Coordinates with Larger Project
	Existing Capacity
	Cost Reduction
x	Future Capacity

Project Description:

See the Villa Road Improvement project description in Transportation. This reconstruction of the two culverts under Villa Road will both be required to meet fish passage requirements per State permits.

Proposed Funding Sources:

This project is funded through the stormwater utility and stormwater SDCs.

Stormwater Program
Project Summary Sheet

S. Center Street; 3rd Street to 9th Street

Fiscal Year	Costs
2019/2020	$180,000
2020/2021	$300,00
2021/2022	$930,000
Project Total	$1,410,000

Criteria Met:

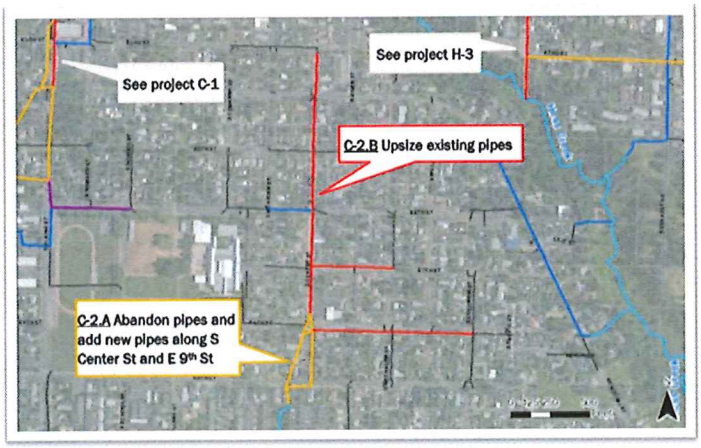
x	Safety/Liability
	Council Goals
x	Maintenance
	Required per Regulation
	Coordinates with Larger Project
x	Existing Capacity
	Cost Reduction
	Future Capacity

Project Description:

There are sections of the existing 21" storm drainage system that crosses underneath multiple structures. In the 10 year storm event, 7th, 8th and Center Streets flood. This project will upsize existing pipes and will realign portions of the pipe out into the public right-of-way.

Proposed Funding Sources:

This project is funded through the stormwater utility.



Stormwater Program
Project Summary Sheet

N. Springbrook Road; 99W to Crestview

Fiscal Year	Costs
2021/2022	$150,000
2022/2023	$800,000
Project Total	$950,000

Criteria Met:

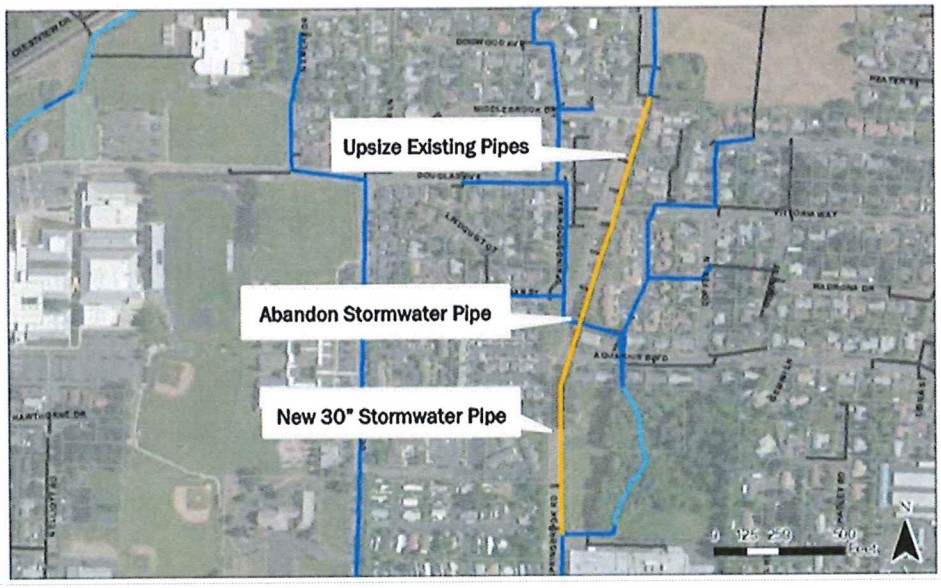
	Safety/Liability
	Council Goals
x	Maintenance
	Required per Regulation
x	Coordinates with Larger Project
x	Existing Capacity
	Cost Reduction
x	Future Capacity

Project Description:

There are existing flooding problems along Springbrook Road. This project will upsize all of the pipe to be 30" in diameter and will be constructed with the larger roadway project. See the N. Springbrook Road Improvement project description in Transportation for more information about that work.

Proposed Funding Sources:

This project is funded through the stormwater utility and stormwater SDCs. Approximately 10% of this project is attributed to growth.



Stormwater Program
Project Summary Sheet

Stormwater Design Manual Update

Fiscal Year	Costs
2017/2018	$20,000
Project Total	$20,000

Criteria Met:

	Safety/Liability
	Council Goals
	Maintenance
	Required per Regulation
	Coordinates with Larger Project
	Existing Capacity
x	Cost Reduction
	Future Capacity

Project Description:

The existing stormwater design standards were adopted in 2014. As the program matures, it behooves the City to review the standards for any necessary updates or revisions. This project will hire a stormwater consultant to review our standards and suggest changes and updates.

Proposed Funding Sources:

This project is funded through the stormwater utility

Stormwater Program
Project Summary Sheet

E. Columbia Drive

Fiscal Year	Costs
2021/2022	$100,000
Project Total	--

Criteria Met:

	Safety/Liability
	Council Goals
x	Maintenance
	Required per Regulation
	Coordinates with Larger Project
x	Existing Capacity
x	Cost Reduction
x	Future Capacity

Project Description:

The storm drainage system in E. Columbia Drive is constrained by three 18" pipes. Most of the system in this area is 24" pipe. Overflow from manholes can be expected from a 10 year storm event in this location. This project will replace those sections of pipe with 24" pipe.

Proposed Funding Sources:

This project is funded through the stormwater utility and SDCs. This project is 15% growth related.

Stormwater Program
Project Summary Sheet

N. Elliot

Fiscal Year	Costs
2019/2020	$250,000
Project Total	$250,000

Criteria Met:

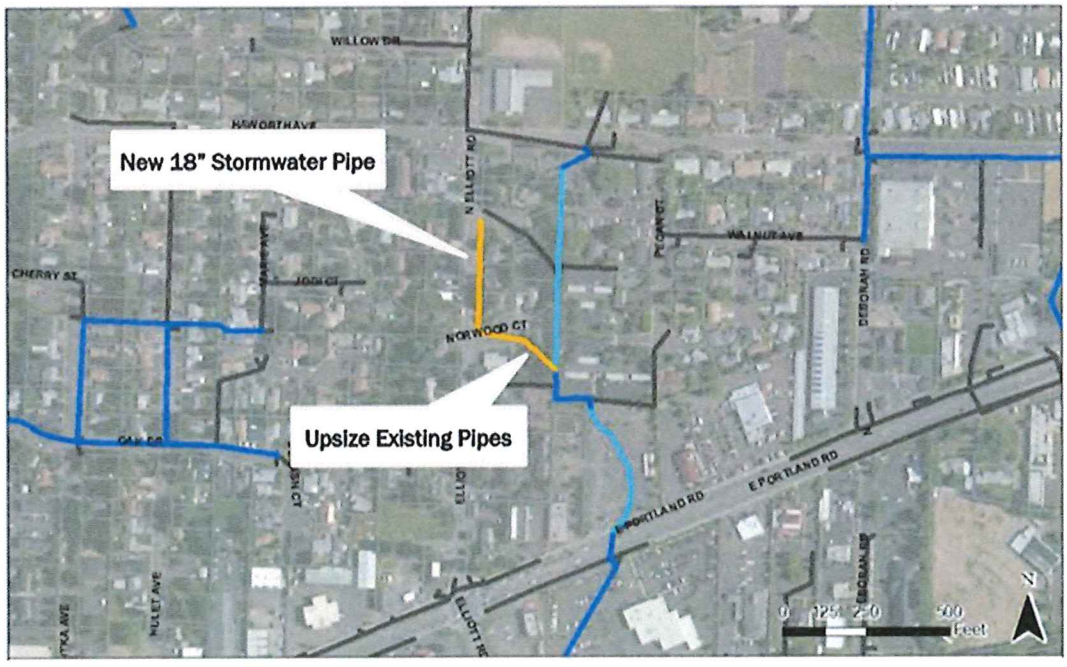
x	Safety/Liability
	Council Goals
	Maintenance
	Required per Regulation
	Coordinates with Larger Project
x	Existing Capacity
	Cost Reduction
x	Future Capacity

Project Description:

There is no public storm drainage system in N. Elliot Road resulting in frequent ponding. This project would add 18" storm pipe to the system as a part of the larger roadway project. See the N. Elliot Road Improvement project description in Transportation for more information.

Proposed Funding Sources:

This project is funded through the stormwater utility and SDCs. This project is 5% attributable to future growth.



Stormwater Program
Project Summary Sheet

TMDL Implementation Plan/Water Quality Improvements

Fiscal Year	Costs
2017/2018	$50,000
2018/2019	$50,000
2019/2020	$50,000
Project Total	—

Criteria Met:

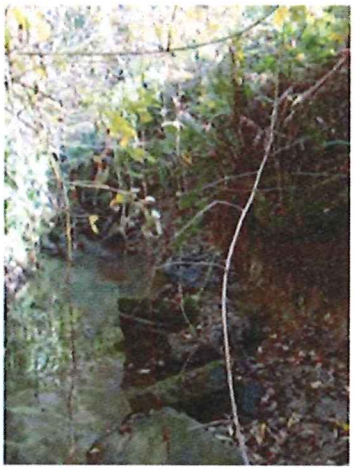
x	Safety/Liability
	Council Goals
x	Maintenance
x	Required per Regulation
	Coordinates with Larger Project
	Existing Capacity
x	Cost Reduction
	Future Capacity

Project Description:

The City currently has an approved Total Maximum Daily Load (TMDL) Implementation Plan. Although a great portion of the plan has been implemented due to staffing and budgetary shortfalls, it is mostly a reactive program. These dollars will help move towards a more proactive program. Those elements might include additional GIS mapping efforts, maintenance activities, storm facility inspection and retrofit and possibly an education/enforcement program for private facilities.

Proposed Funding Sources:

This project is funded through the stormwater utility.



West Bank Chehalem Creek Streambank Erosion

Hess Creek (DS of Mountainview Drive)